

Title (en)

METHOD FOR PREDICTIVELY GENERATING DATA FOR CONTROLLING A TRAVEL PATH AND AN OPERATING SEQUENCE FOR AGRICULTURAL VEHICLES AND MACHINES

Title (de)

VERFAHREN ZUM PRÄDIKTIVEN ERZEUGEN VON DATEN ZUR STEUERUNG EINES FAHRWEGES UND EINES BETRIEBSABLAUFES FÜR LANDWIRTSCHAFTLICHE FAHRZEUGE UND MASCHINEN

Title (fr)

PROCÉDÉ DE GÉNÉRATION DE DONNÉES DE MANIÈRE PRÉDICTIVE DESTINÉ À LA COMMANDE D'UNE VOIE ET D'UNE SÉQUENCE DE FONCTIONNEMENT POUR VÉHICULES ET MACHINES AGRICOLES

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Application

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Abstract (en)

[origin: WO2018086764A1] The invention relates to a method for predictively generating data for controlling a travel path and an operating sequence for an agricultural vehicle and to an agricultural machine having the method steps of automatically detecting and storing vehicle and/or machine data about a sensor device, arranged on individual vehicles and/or individual machines, for generating a vehicle and machine model, collecting and storing data about a three-dimensional terrain topography and/or data about a current and/or predicted ground quality and/or weather condition for the generation of a predictive three-dimensional geo-referenced terrain model, optimising mapping of the vehicle model and machine model onto the three-dimensional predictive terrain model and calculation of travel path control data in order to define a travel path and/or machine control data for the predictive control of machine components and outputting and transmitting the travel path control data and/or the machine control data to a control unit of the agricultural vehicle (1) and/or of the agricultural machine.

IPC 8 full level

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